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	Filing Date		1/17/06	
	First Named Inventor	Shugo USAMI		
	Art Unit	2628		
	Examiner Name			
	Attorney Docket Number	ASAIN0175		

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3	2	2001-370040	JP					<input checked="" type="checkbox"/>
3	3	2003-044528	JP		2003-02-14	Fuji Heavy Ind Ltd		<input checked="" type="checkbox"/>

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3	4	2004-334640	JP		2004-11-25	Institute of Physical and Chemical Research	<input checked="" type="checkbox"/>
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3	7	02/23408	WO	A1	2002-03-21	Hitachi Ltd.	<input checked="" type="checkbox"/>

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3	1	TESHIMA, Yoshinori et al., "Shape Approximation, Cube Cutting and Enumeration", ISM Symposium 2003 - Statistics, Combinatorics and Geometry, p. 9, 2003.	<input type="checkbox"/>
3	2	TESHIMA, Yoshinori et al., "Enumeration on Cube Cutting", pp. 87-88.	<input type="checkbox"/>
3	3	HOFFMANN, Christoph M., "The Problems of Accuracy and Robustness in Geometric Computation", March 1989, pp. 31-41.	<input type="checkbox"/>
3	4	JU, Tao, et al. "Dual Contouring of Hermite Data".	<input type="checkbox"/>
3	5	SCHROEDER, William J., "A Topology Modifying Progressive Decimation Algorithm",	<input type="checkbox"/>

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3	6	SCHROEDER, William J., et al., "Decimation of Triangle Meshes".	<input type="checkbox"/>
3	7	RENZE, Kevin J., et al., "Generalized Surface and Volume Decimation for Unstructured Tessellated Domains", Proceedings of VRAIS '96, pp. 111-121, 1996.	<input type="checkbox"/>
3	8	HAMANN, Bernd, "A Data Reduction Scheme for Triangulated Surfaces", Computer Aided Geometric Design 11, pp. 197-214, 1994.	<input type="checkbox"/>
3	9	NAVAZO, I., "Extended Octree Representation of General Solids with Plane Faces; Model Structure and Algorithms", Comput. & Graphics, Vol. 13, No. 1, pp. 5-16, 1989.	<input type="checkbox"/>
3	10	HOPPE, Hugues et al. "Mesh Optimization".	<input type="checkbox"/>
3	11	HOPPE, Hugues, "Progressive Meshes".	<input type="checkbox"/>
3	12	LINDSTROM, Peter et al., "Evaluation of Memoryless Simplification", IEEE Transactions on Visualization and Computer Graphics, Vol. 5, No. 2, pp. 98-115, April-June 1999.	<input type="checkbox"/>
3	13	GARLAND, Michael et al., "Surface Simplification Using Quadric Error Metrics".	<input type="checkbox"/>
3	14	SUGIHARA, KOKICHI et al., "A Solid Modelling System Free from Topological Inconsistency", Journal of Information Processing, Vol. 12, No. 4., pp. 380-393, 1989.	<input type="checkbox"/>
3	15	KELA, Ajay, "Hierarchical Octree Approximations for Boundary Representation-Based Geometric Models", Computer-Aided Design 21, No. 6, London, pp. 355-362, July-August 1989.	<input type="checkbox"/>
3	16	NAVAZO, I. et al., "A Geometric Modeller based on the Exact Octree Representation of Polyhedra", Computer Graphics Forum 5, pp. 91-104, 1986.	<input type="checkbox"/>


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3	17	LORENSEN, William E. et al., "Marching Cubes: A High Resolution 3D Surface Construction Algorithm", Computer Graphics, Vol. 21, No. 4, pp. 163-169.	<input type="checkbox"/>
3	18	HAMA, Takayuki et al., "A Stable and Fast New Contact Search Algorithm for FEM Simulation of Metal Forming Process", JSME/ASME International Conference on Materials and Processing, October 15-18, 2002, Honolulu, pp. 367-372.	<input type="checkbox"/>
3	19	KASE, K. et al., "Volume CAD", Volume Graphics, pp. 145-173, 2003.	<input type="checkbox"/>
3	20	International Search Report issued in corresponding application No. PCT/JP2004/010023 completed August 25, 2004 and mailed September 14, 2004.	<input type="checkbox"/>

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	4	6075538		2000-06-13	Shu et al.	
	5	6214279	B1	2001-04-10	Yang et al.	
	6	6471800	B2	2002-10-29	Jang et al.	
	7	6606528	B1	2003-08-12	Hagmeier et al.	
3	8	6627835	B1	2003-09-30	Chung et al.	

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3	9	6643560		2003-11-04	Shimomura	
2	10	7088363	B2	2006-08-08	Kase et al.	
3	11	7110852	B2	2006-09-19	Ohmori et al.	

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3	2	20040267400	A1	2004-12-30	Ohmori et al.	
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3	2	1 229 463	EP	A2	2002-08-07	Riken		<input type="checkbox"/>
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3	1	AVILA, RICARDO S., et al., "A Haptic Interaction Method for Volume Visualization," October 27, 1996, pp. 197-204	<input type="checkbox"/>
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3	YONEKAWA, KAZUTOSHI et al., "A Geometric Modeler by Using Spatial-Partitioning Representations," Vol. 37, No. 1, January 1996, pp. 60-69	<input type="checkbox"/>
4	KASE, K. et al., "Volume CAD", Volume Graphics, pp. 145-173, 2003.	<input type="checkbox"/>
5	PIEGL, LESLIE et al., "Tessellating trimmed NURBS surfaces," Computer-Aided Design, January 1995, pp. 16-26, Volume 27, No. 1, Great Britain.	<input type="checkbox"/>
6	ROY, U., et al., "Computation of a geometric model of a machined part from its NC machining programs," Computer-Aided Design, 1999, pp. 401-411, No. 31	<input type="checkbox"/>
7	SHUTE, GARY, "Overview of C Programming," August 23, 1999, http://www.d.umn.edu/~gshute/C/overview.html , printed November 1, 2004	<input type="checkbox"/>
8	YAMAGUCHI, K. et al, "Computer-Integrated Manufacturing of Surfaces Using Octree Encoding," IEEE CG&A, January 1984, pp. 60-62	<input type="checkbox"/>
9	ZESHENG, TANG, "Octree Representation and Its Applications in CAD," Journal of Computer Science and Technology, 1992, pp. 29-38, Vol. 7, No. 1	<input type="checkbox"/>

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3	2	6968075	B1	2005-11-22	Chang			
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<i>3</i>	2	WARD, Gregory J., "The RADIANCE Lighting Simulation and Rendering System," Computer Graphics Proceedings, Annual Conference Series, 1994, pp. 459-472	<input type="checkbox"/>
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	3	4729098		1988-03-01	Cline et al.		
	4	5166876		1992-11-24	Cline et al.		
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(Not for submission under 37 CFR 1.99)

Application Number 10595047

Filing Date 2006-01-17

First Named Inventor Shugo USAMI

Art Unit 3662 2628

Examiner Name

Attorney Docket Number ASAIN0175

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	4	5510066		1996-04-23	Fink et al.	
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	6	5303141		1994-04-12	Batchelder et al.	
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Filing Date	2006-01-17		
First Named Inventor	Shugo USAMI		
Art Unit	2662 2628		
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	First Named Inventor	Shugo Usami	
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